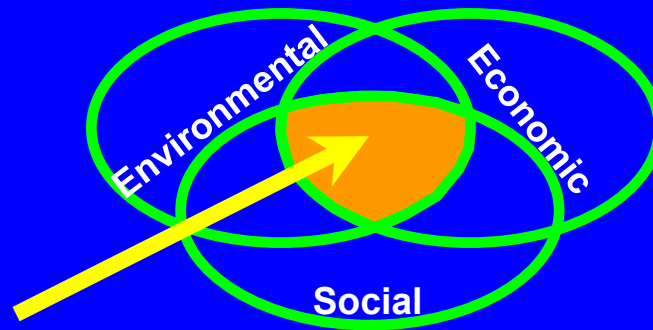


Lake Whatcom

Preliminary Draft Sustainable Harvest

Model Results

April 8, 2002



Sustainable Forest Management



Summary: the Context of the Sustainable Harvest







Model Data

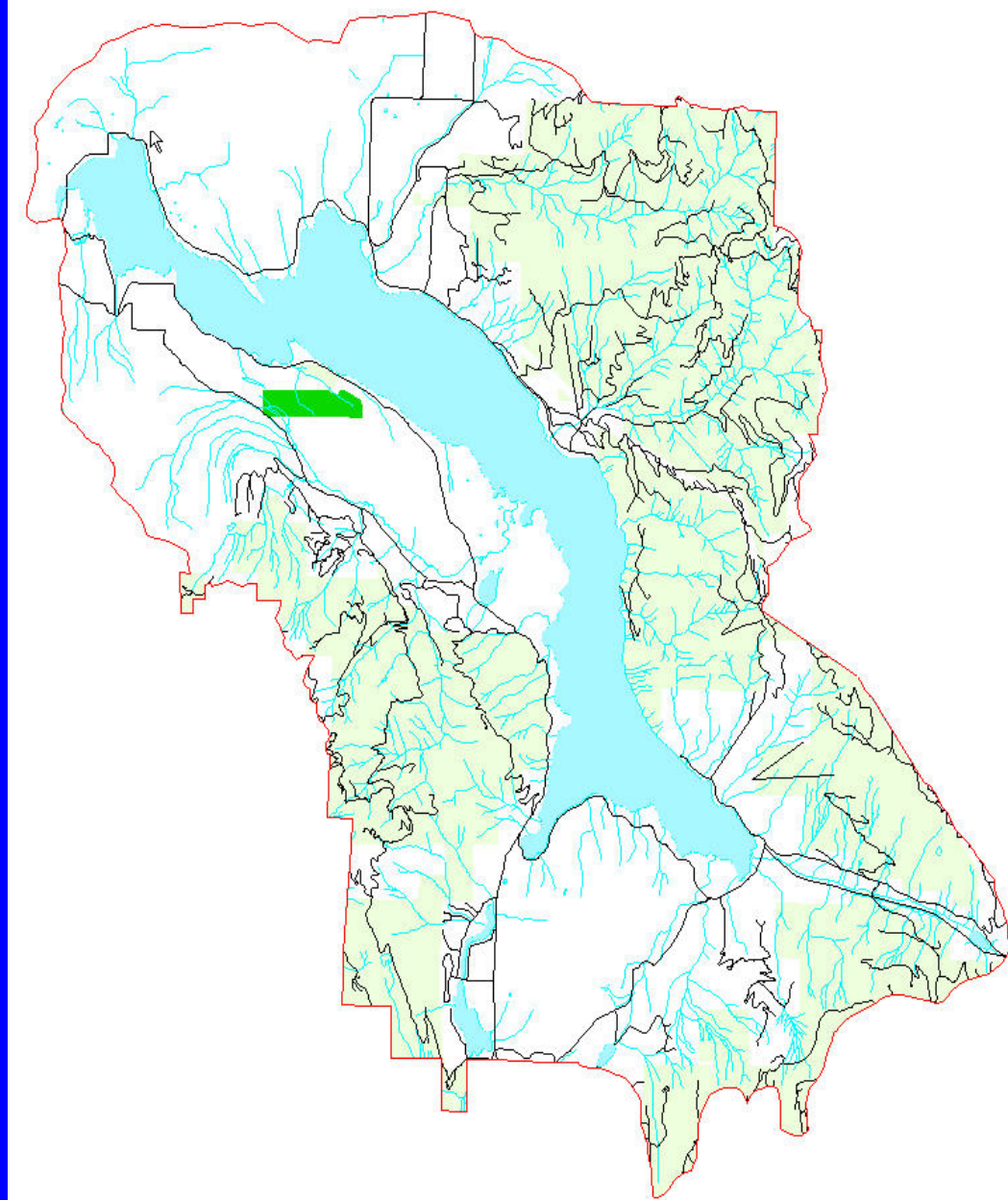
- Harvest model outputs are seen as reliable but are subject to further verification & possible changes
- Information regarding harvest levels for various scenarios
- Data on conservation benefits and detailed forest economics available later in April
 - Substantial change in harvest levels without clear linkages to Lake Whatcom water quality: “DNR’s contribution not expected to be a significant part of the problem”
 - Slope Stability & Public Safety: of great importance. Some probable gains but should be evaluated against the backdrop of existing regulatory and policy protection features.
- **Re-analysis of Modeling Scenarios B & C completed**
 - Conservation benefits should marginally increase while harvest levels have fallen, compared to the numbers contained in this report
 - Subsequent chart shows new data

4/8/02 Draft: Subject to Changes &
Amendments over time.

Biological Capacity: Tier 1

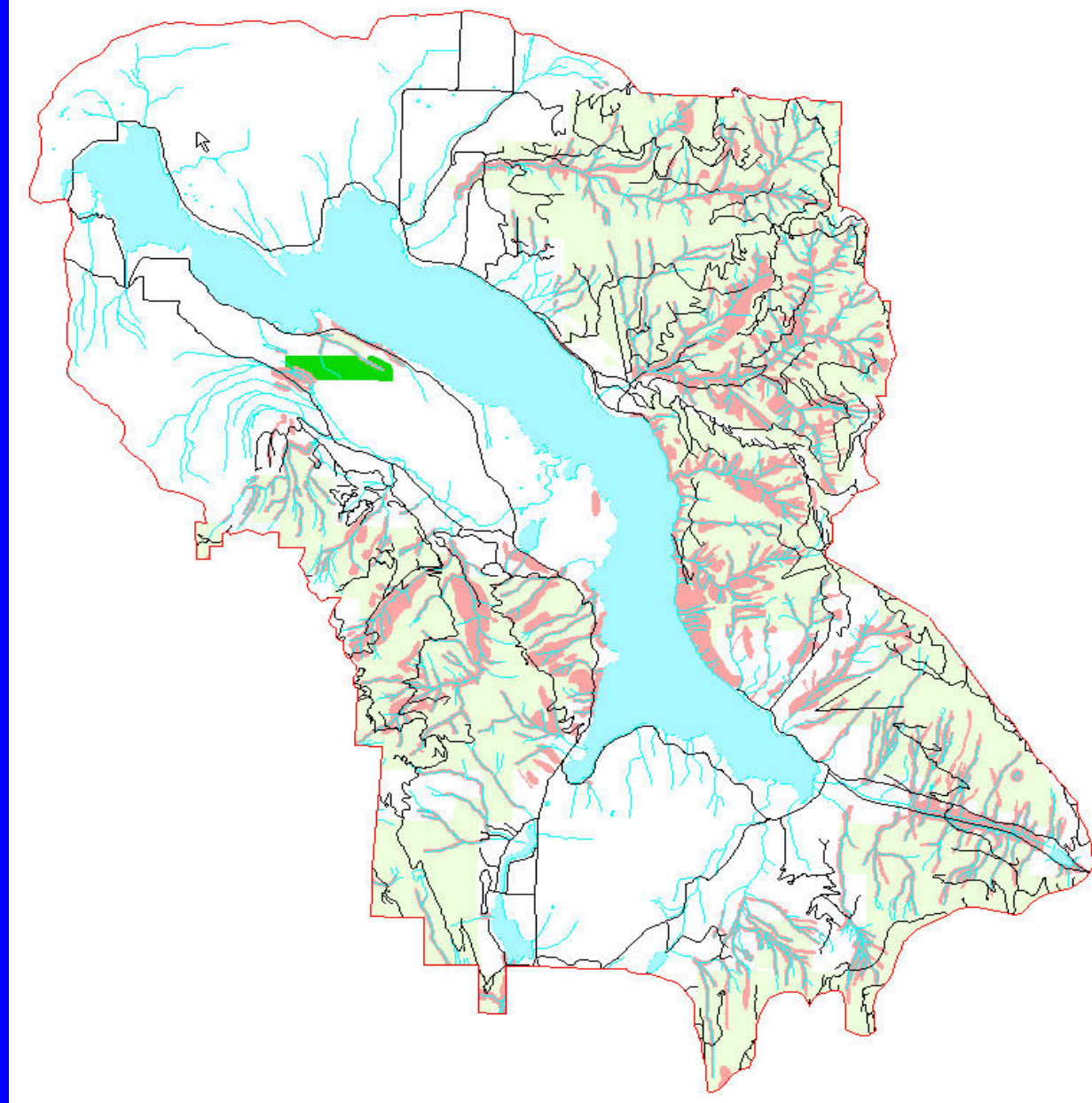
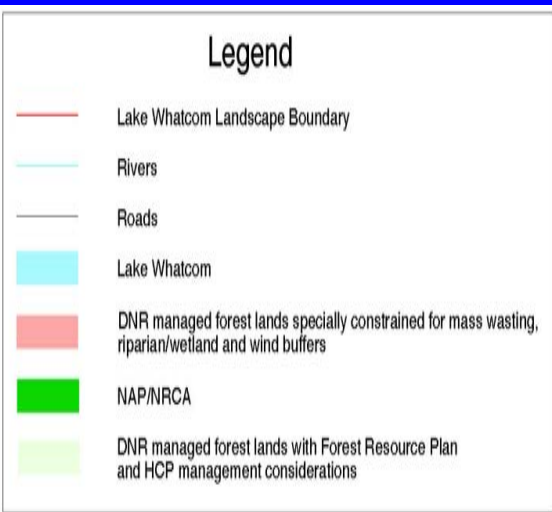
Legend

-  Lake Whatcom Landscape Boundary
-  Rivers
-  Roads
-  Lake Whatcom
-  NAP/NRCA
-  DNR managed forest lands with Forest Resource Plan and HCP management considerations



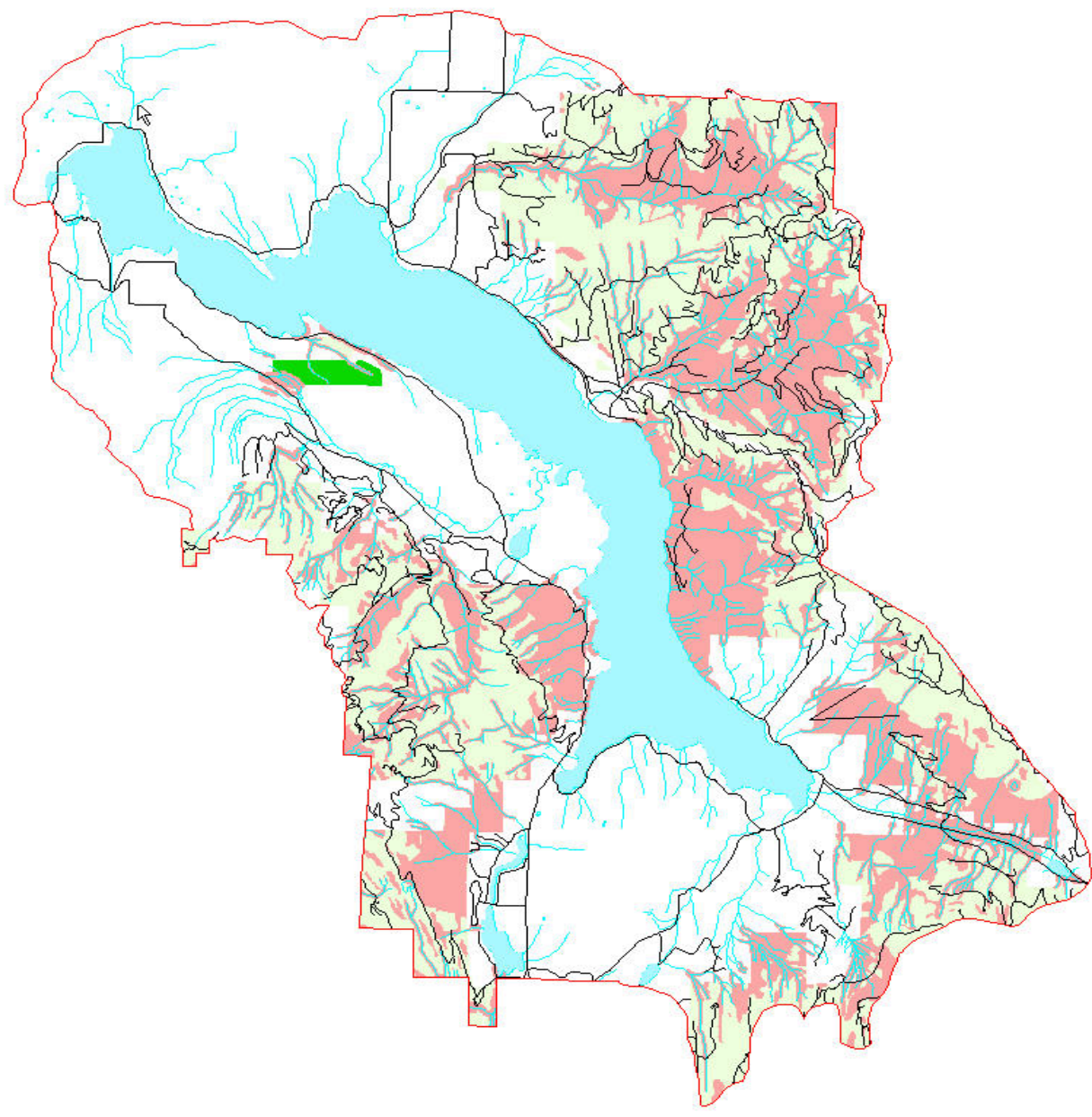
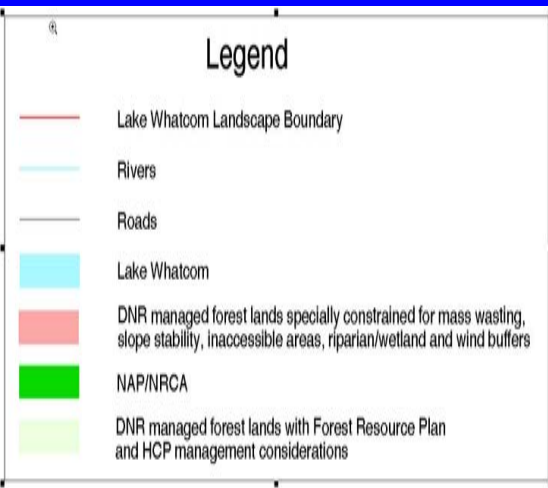
4/8/02 Draft: Subject to Changes &
Amendments over time.

HCP: Tier 3



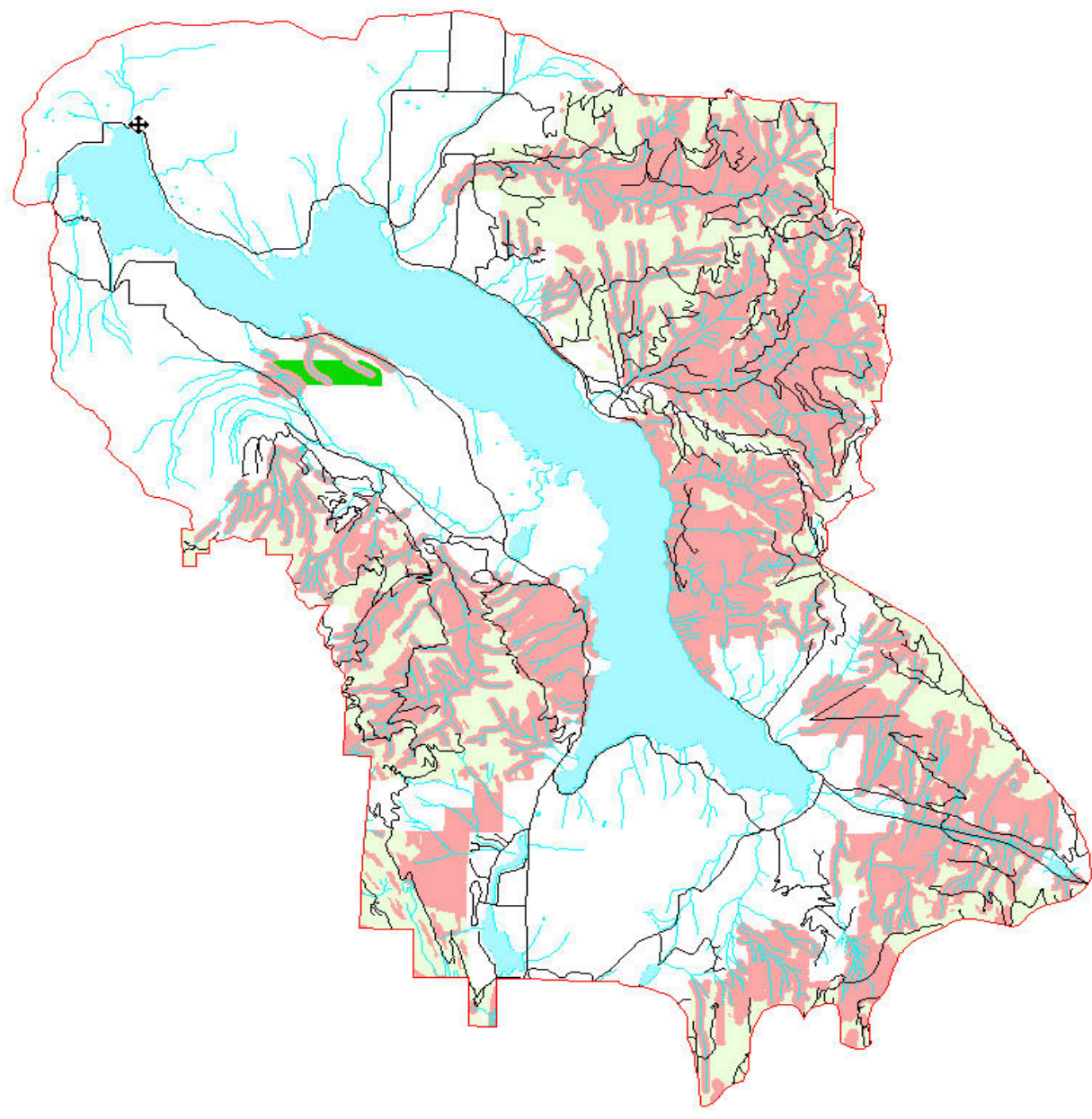
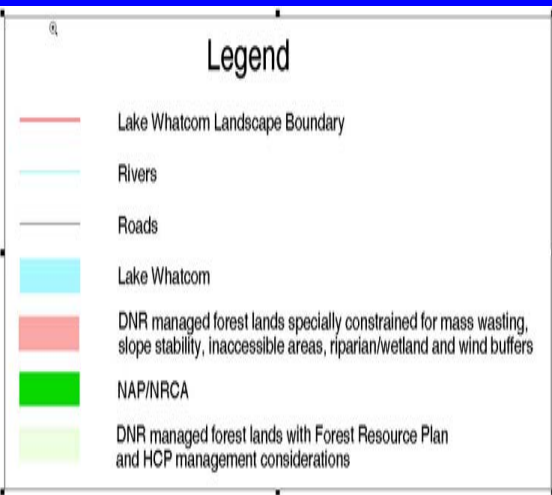
4/8/02 Draft: Subject to Changes & Amendments over time.

Scenario A



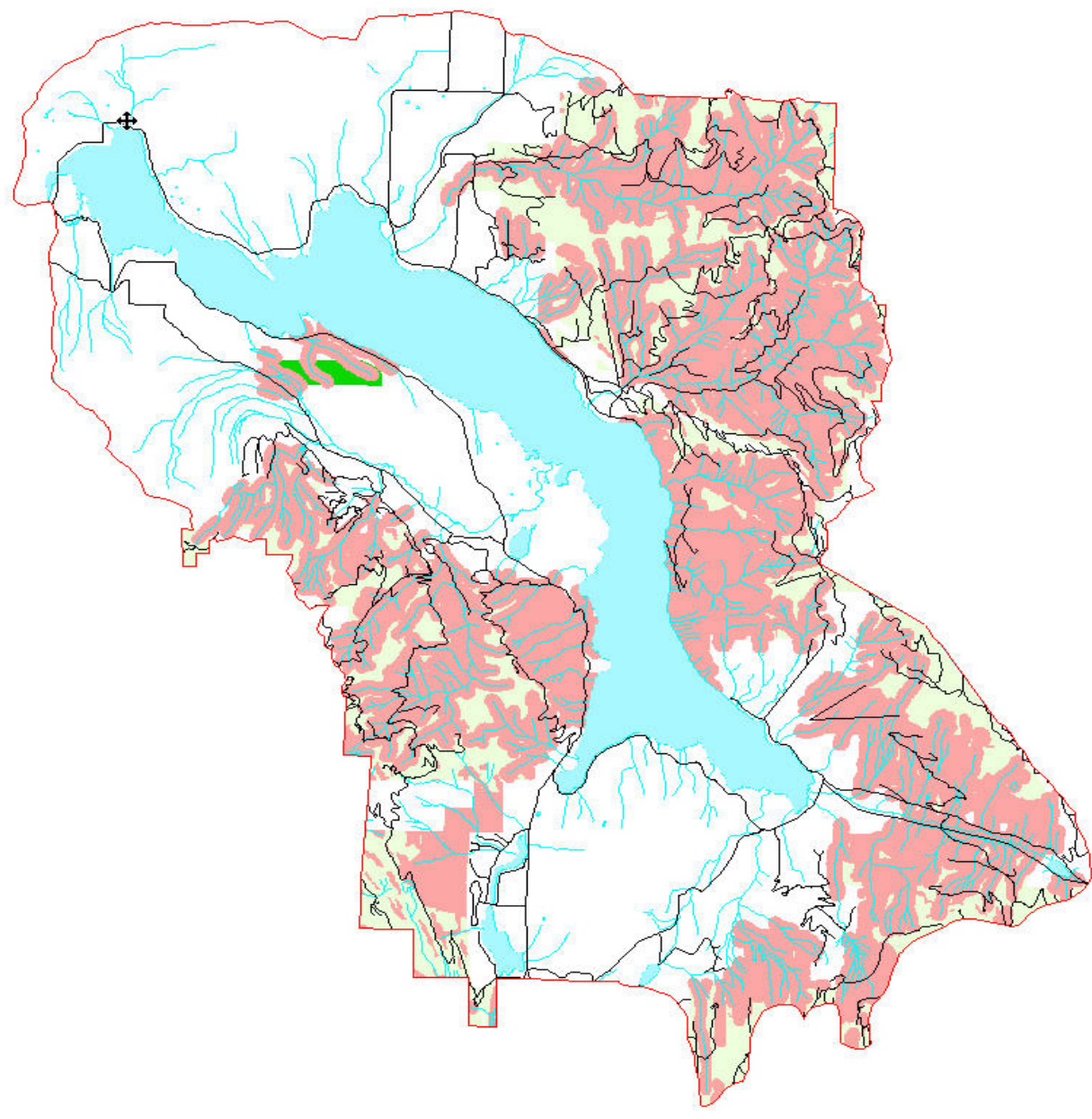
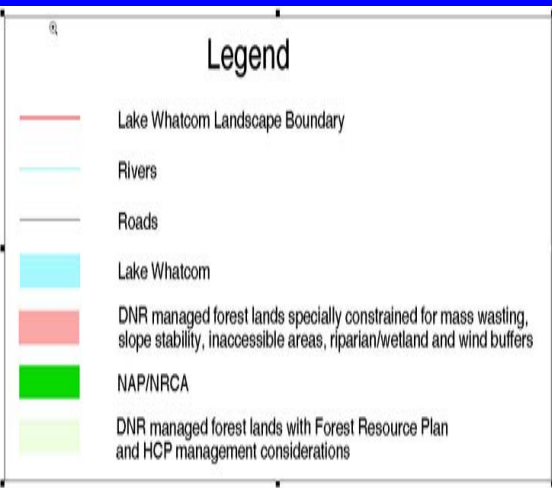
4/8/02 Draft: Subject to Changes & Amendments over time.

Scenario B



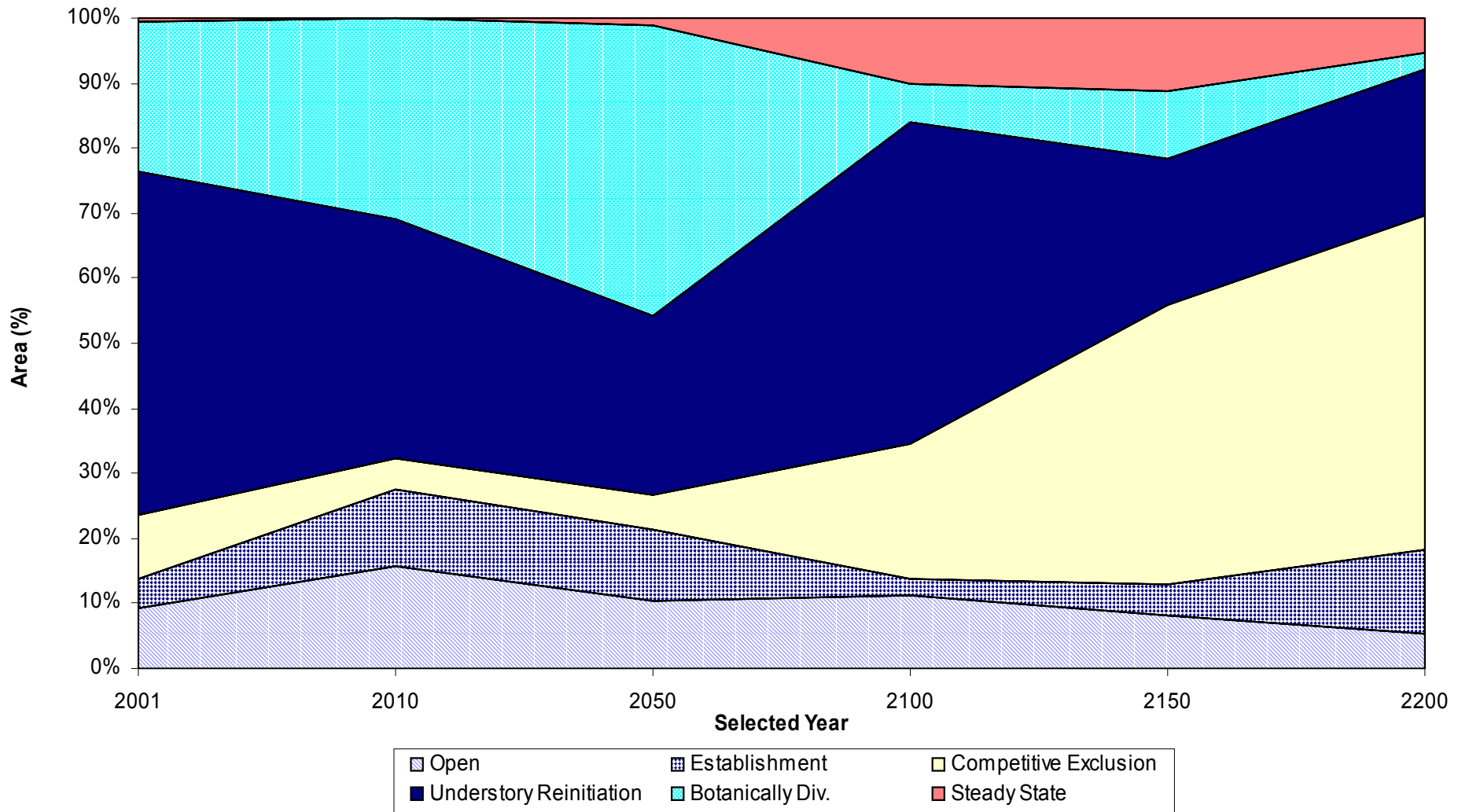
4/8/02 Draft: Subject to Changes & Amendments over time.

Scenario C



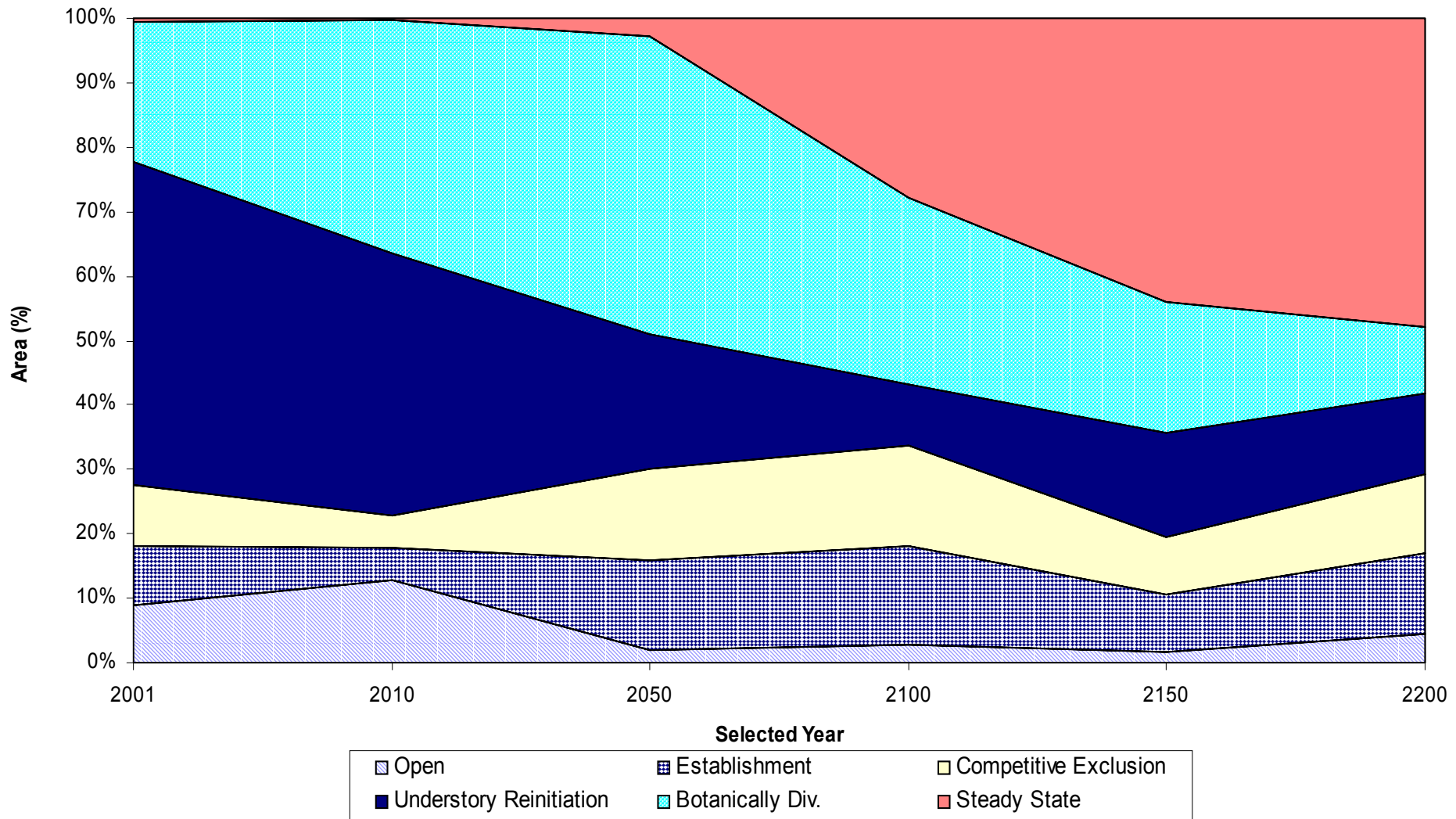
4/8/02 Draft: Subject to Changes & Amendments over time.

Draft Tier 1: Lake Whatcom Landscape Area by Selected Year and Stand Stage



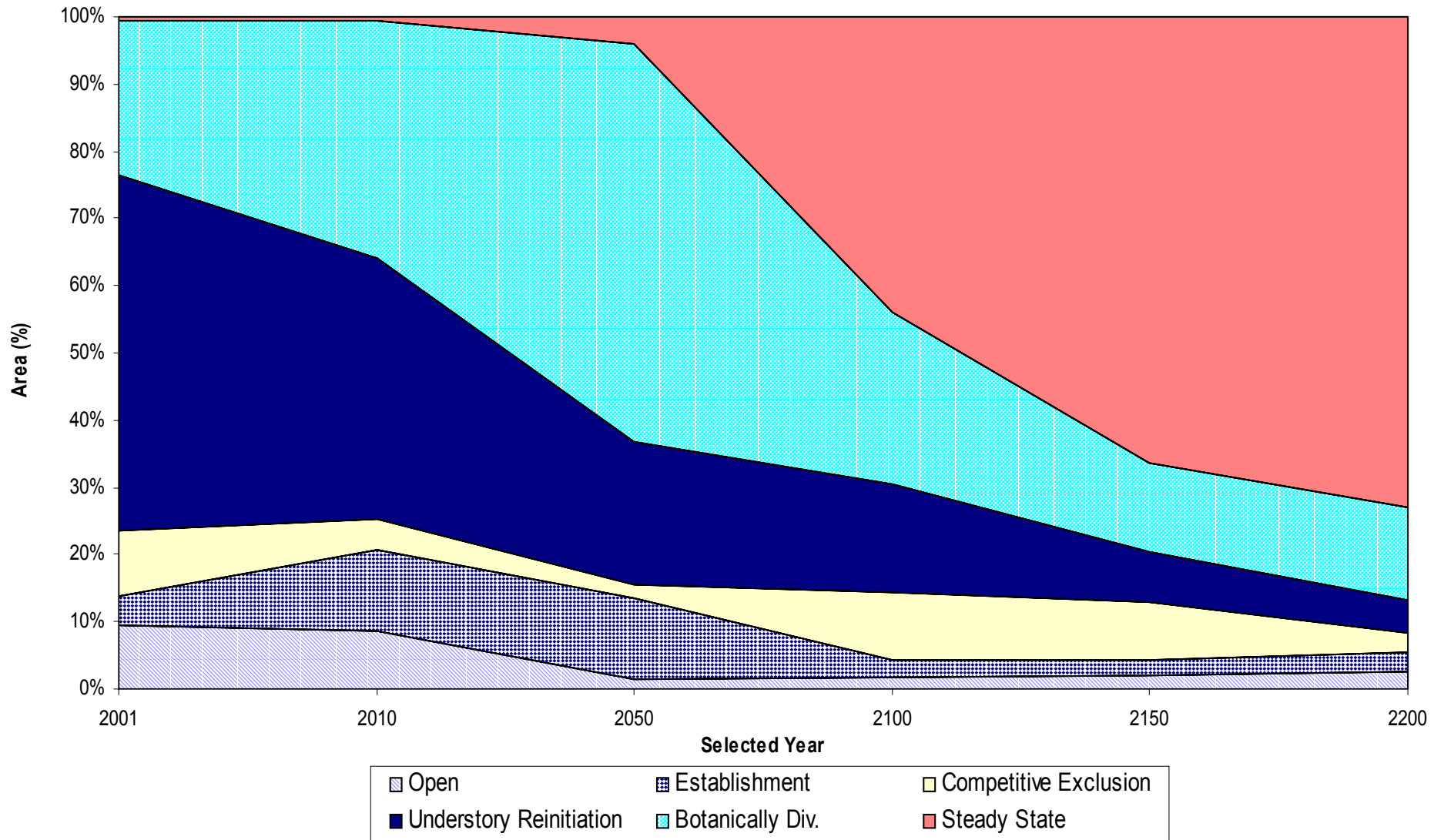
4/8/02 Draft: Subject to Changes &
Amendments over time.

Draft Tier 3: Lake Whatcom Landscape Area by Selected Year and Stand Stage



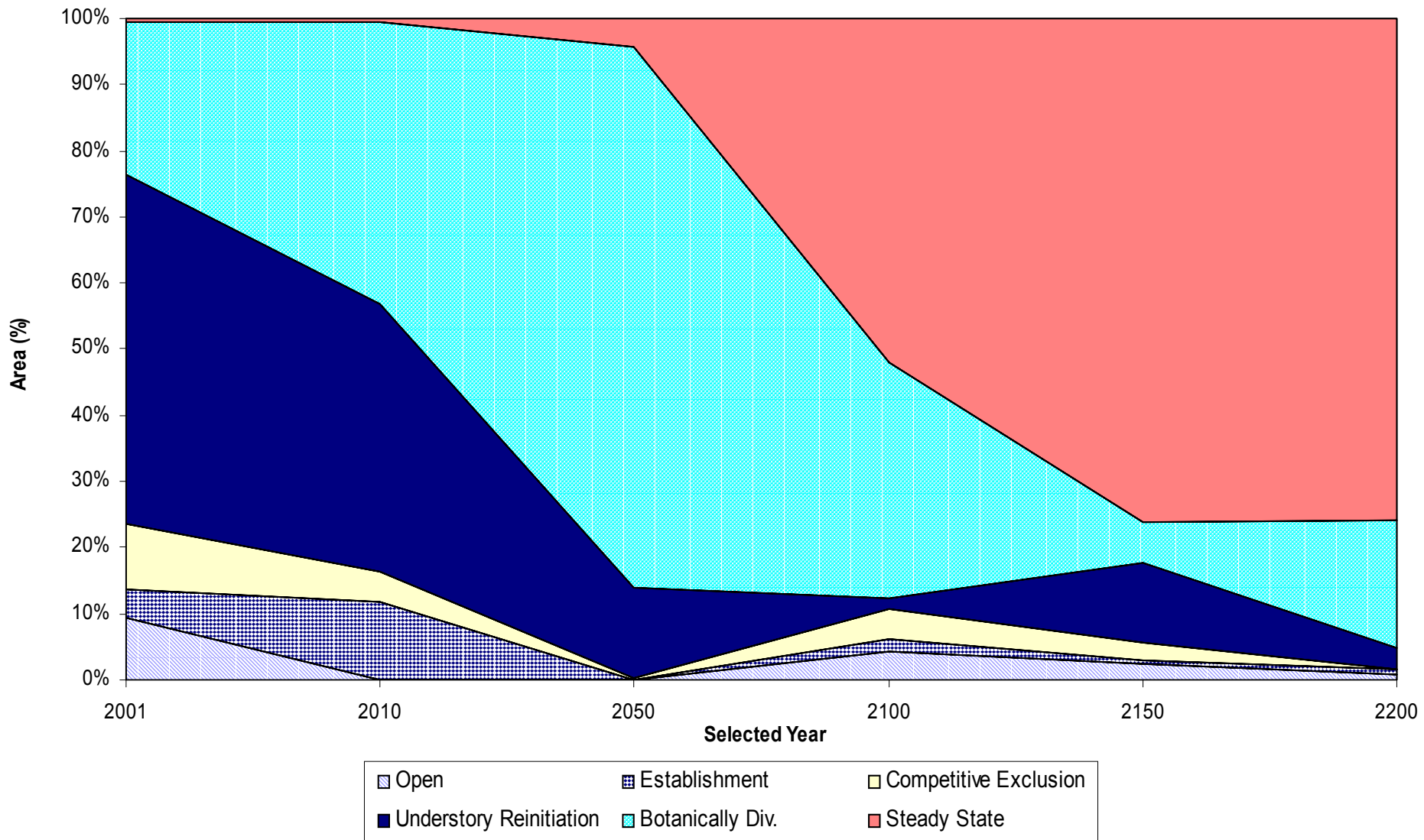
4/8/02 Draft: Subject to Changes &
Amendments over time.

Draft Scenario A: Lake Whatcom Landscape Area by Selected Year and Stand Stage



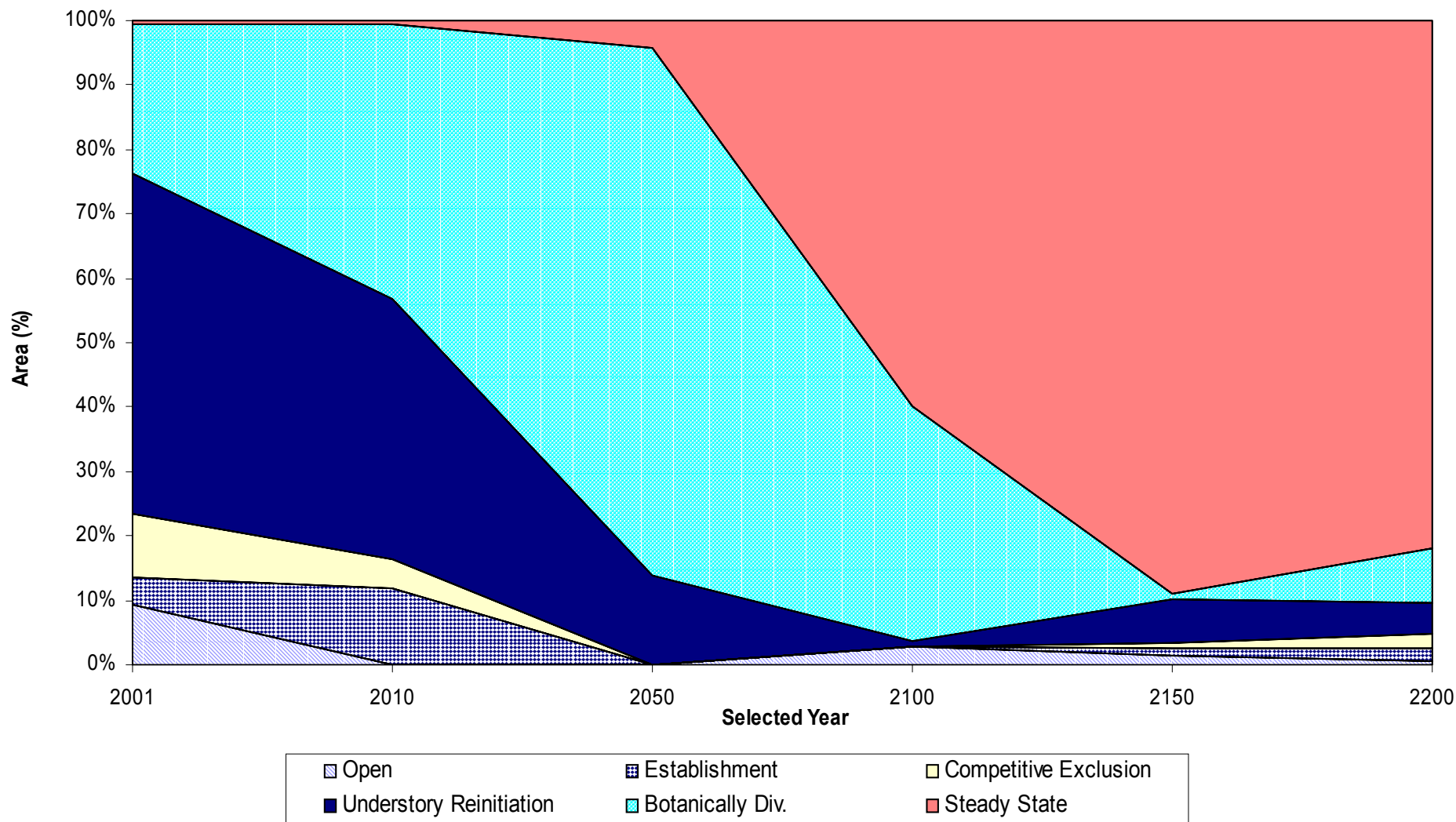
4/8/02 Draft: Subject to Changes &
Amendments over time.

Draft Scenario B: Lake Whatcom Landscape Area by Selected Year and Stand Stage



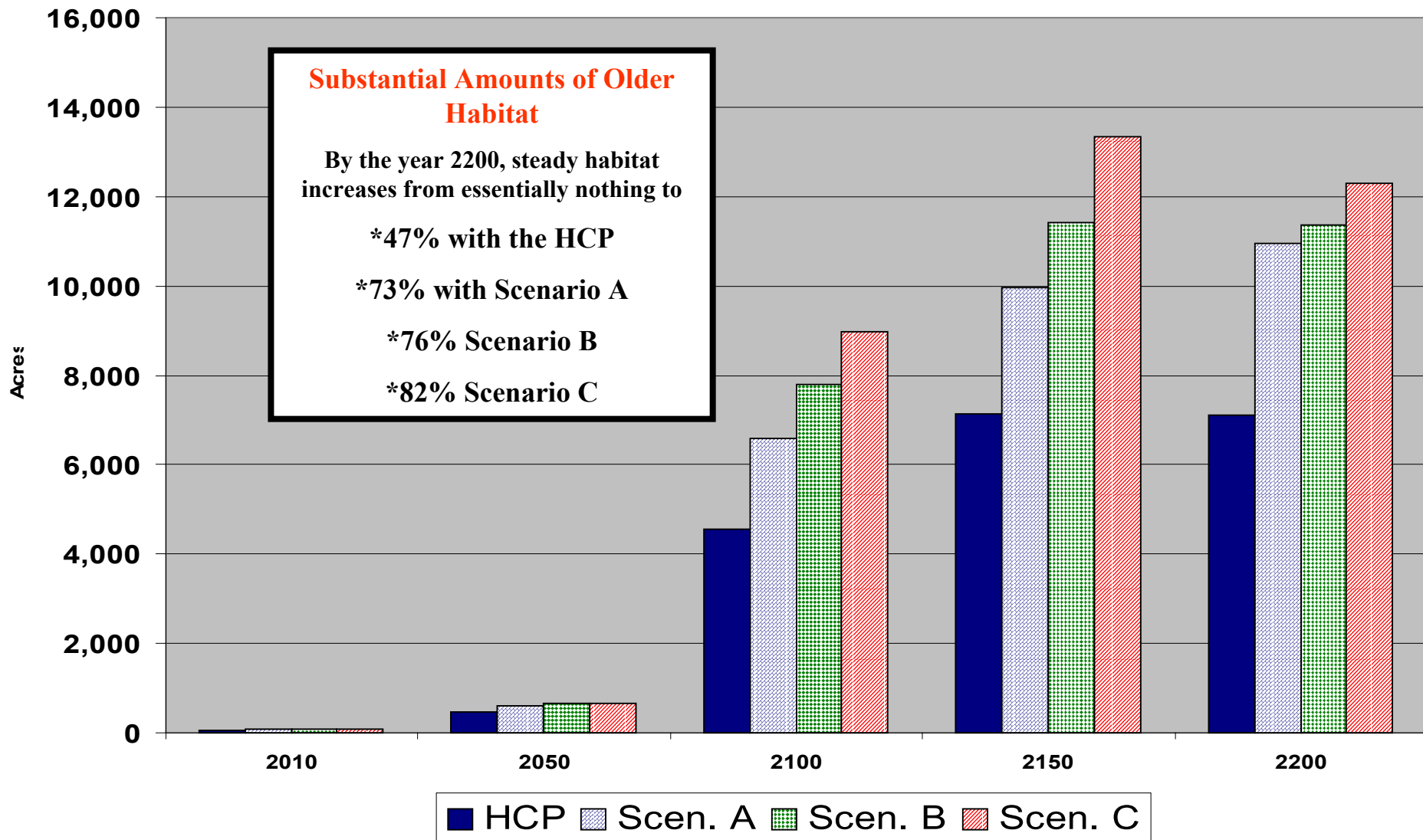
4/8/02 Draft: Subject to Changes &
Amendments over time.

Draft Scenario C: LAke Whatcom Landscape Area by Selected Year and Stand Stage



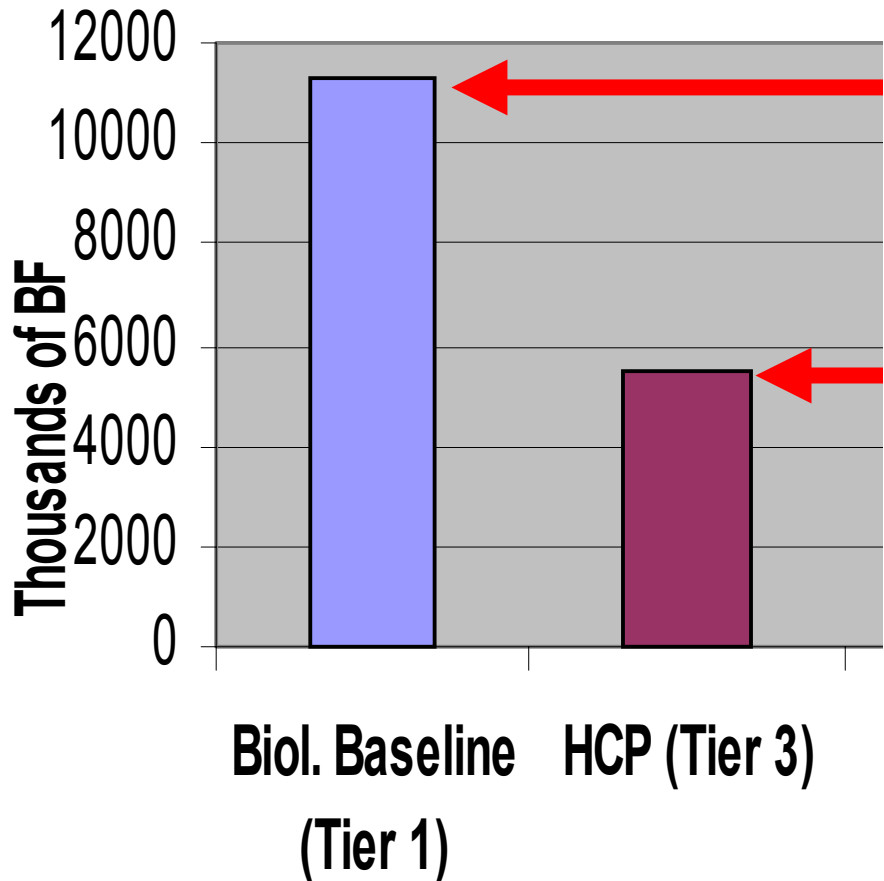
4/8/02 Draft: Subject to Changes &
Amendments over time.

Lake Whatcom: Acres of Steady State Timber (150+years)



4/8/02 Draft: Subject to Changes &
Amendments over time.

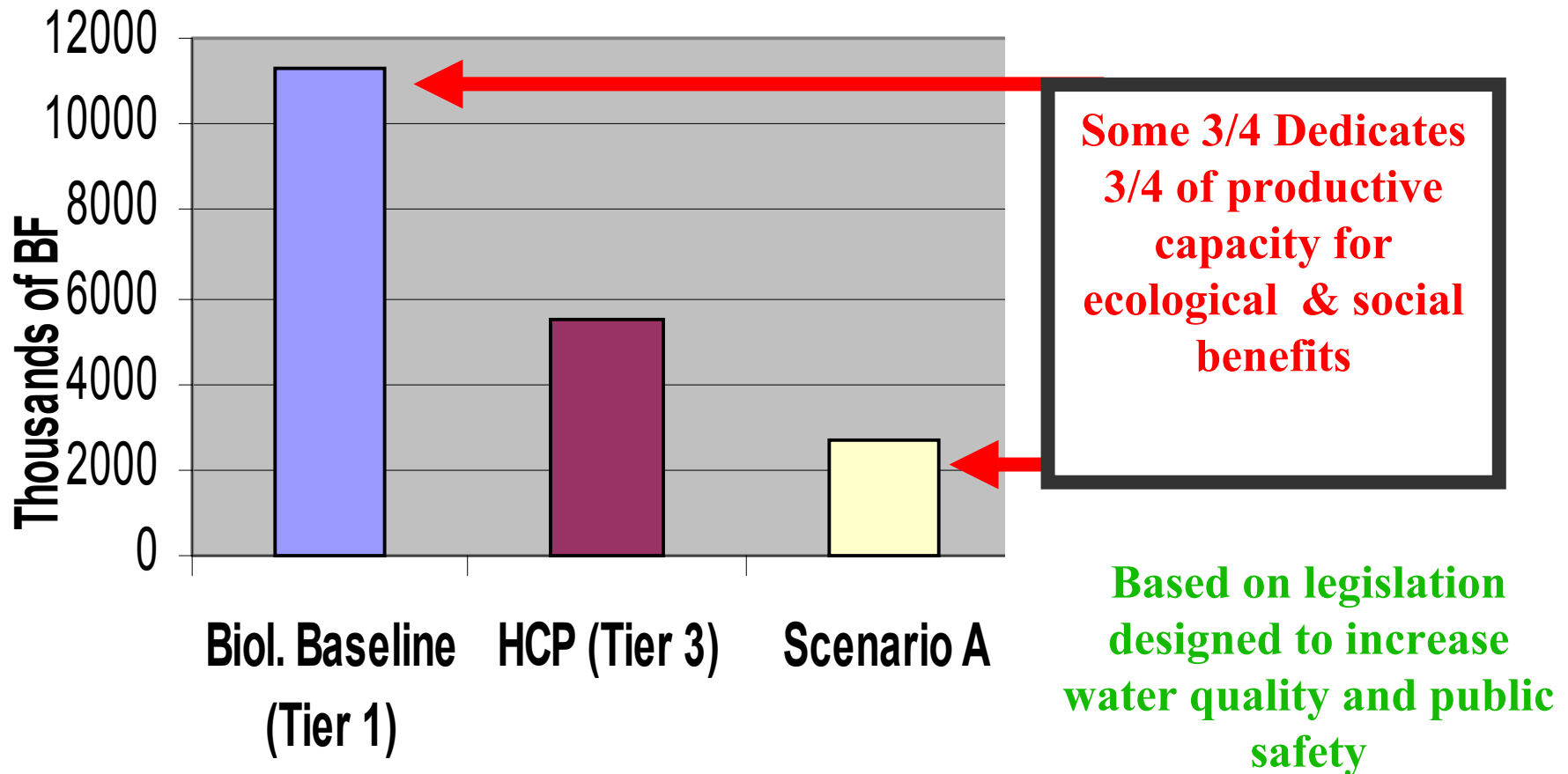
Draft: Average Harvest Volume



HCP & FPA: Dedicates over 50% of productive capacity for ecological & social benefits

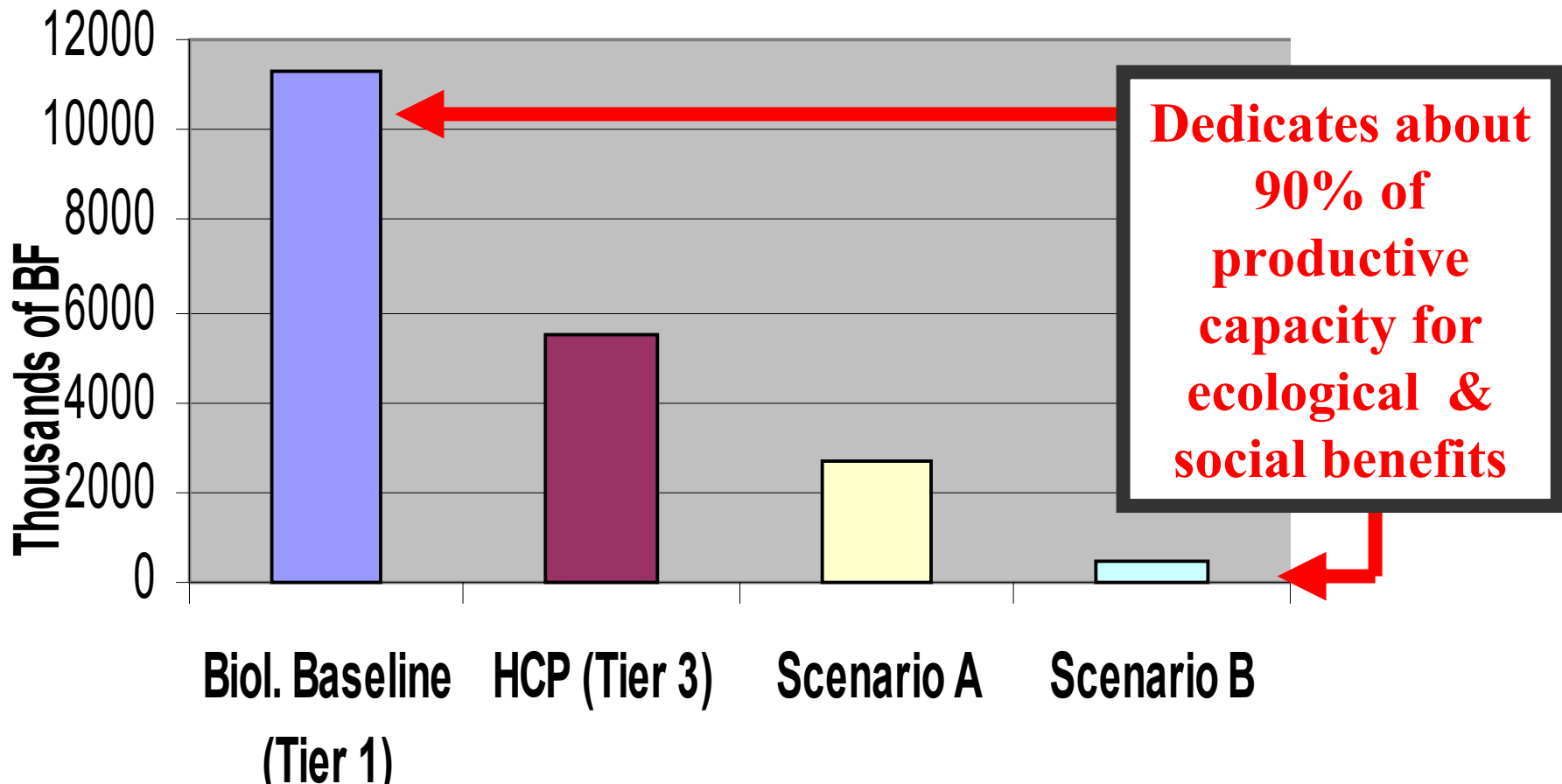
HCP “decision space”, one definition of sustainability

Draft: Average Harvest Volume



4/8/02 Draft: Subject to Changes & Amendments over time.

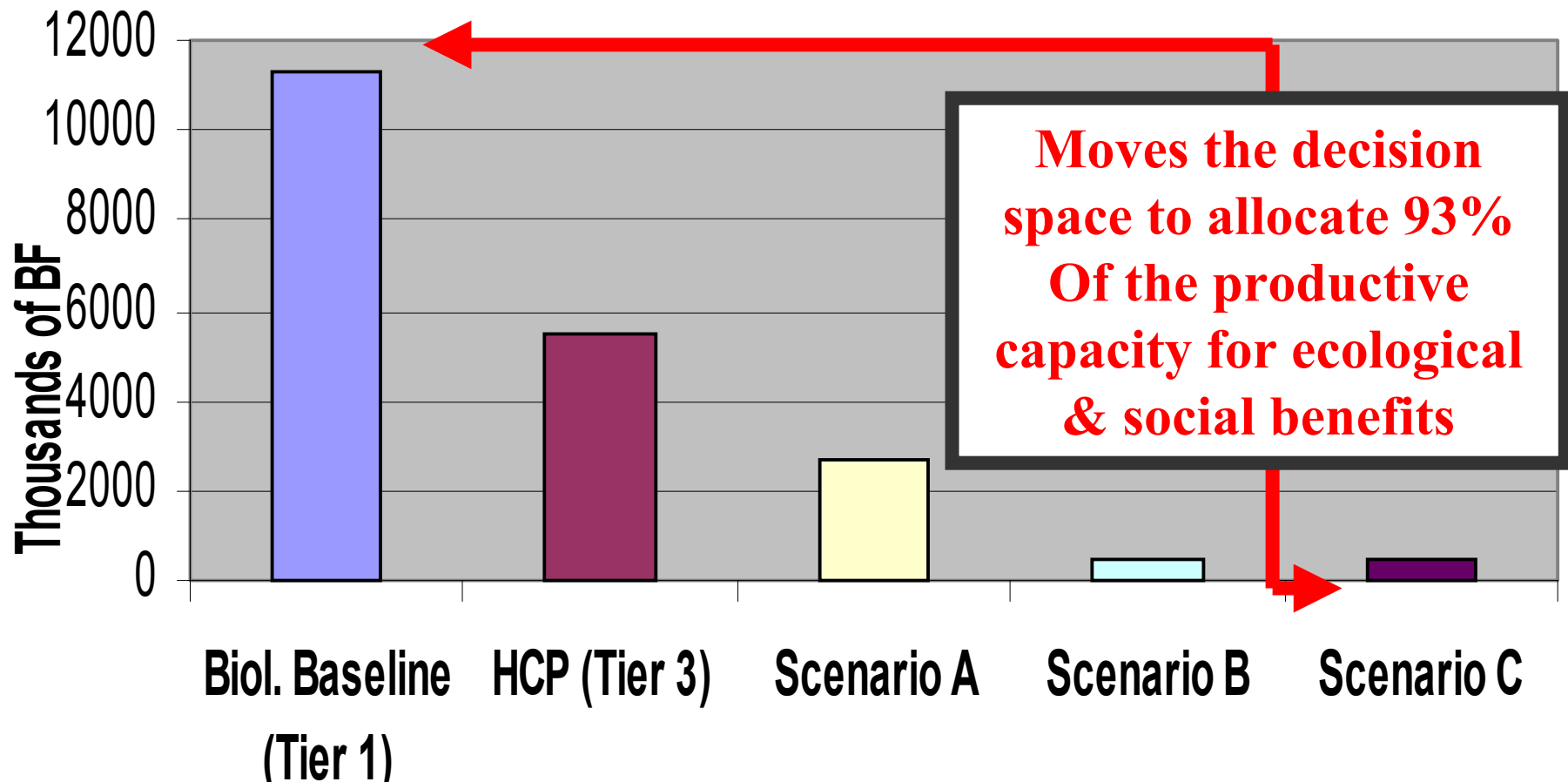
Draft: Average Harvest Volume



Rotation goes from 60 to 140; 25% green tree retention

4/8/02 Draft: Subject to Changes & Amendments over time.

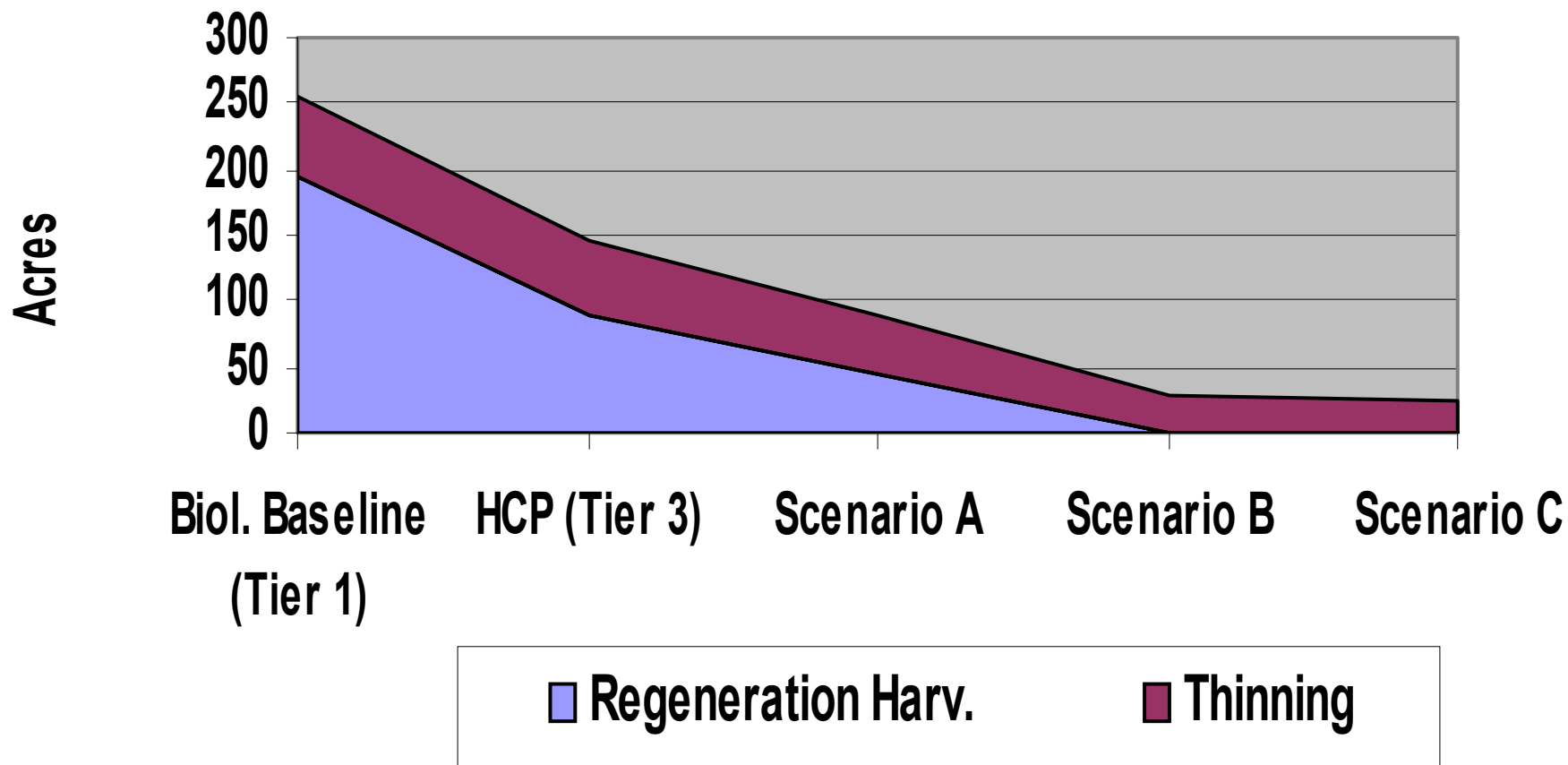
Draft: Average Harvest Volume



**Rotation goes from 60
to 200; 40% green tree
retention**

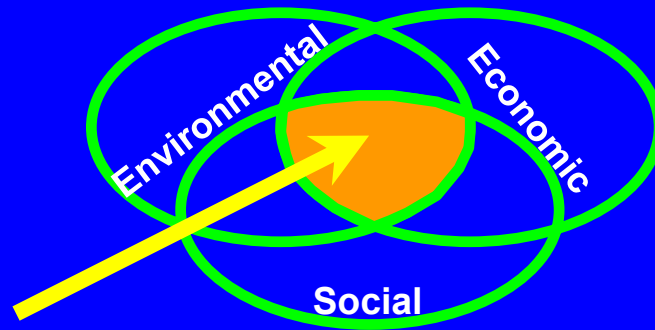
4/8/02 Draft: Subject to Changes &
Amendments over time.

Draft: Average Annual Harvested Acres by Harvest Type



4/8/02 Draft: Subject to Changes & Amendments over time.

In Search of the Decision Space



Sustainable Forest Management

